

The eigenvalues and eigenvectors of the covariance matrix for the parton-level measurement of $d^2\sigma/d(M_{t\bar{t}})d(\Delta y)$. A single vertical column contains first an eigenvalue, then the error eigenvector that corresponds to that eigenvalue.

CDF Run II Preliminary $\int \mathcal{L} = 9.4 \text{ fb}^{-1}$

Eigenvalue λ		0.0371	0.0290	0.00819	0.00534	0.00362	0.00101	0.000266	0.000140
$\Delta y < 0$	$M_{t\bar{t}} < 450 \text{ GeV}/c^2$	-0.717	-0.594	0.313	-0.00280	0.174	0.0728	-0.0199	-0.0105
	$450 < M_{t\bar{t}} < 550 \text{ GeV}/c^2$	-0.150	0.226	-0.0475	0.861	0.353	-0.213	0.109	-0.0392
	$550 < M_{t\bar{t}} < 650 \text{ GeV}/c^2$	-0.00347	0.0803	-0.0477	0.254	-0.0253	0.833	-0.384	0.291
	$M_{t\bar{t}} > 650 \text{ GeV}/c^2$	0.00861	0.0307	-0.0193	0.00581	0.00449	0.494	0.629	-0.599
$\Delta y > 0$	$M_{t\bar{t}} < 450 \text{ GeV}/c^2$	0.623	-0.717	-0.0598	0.203	0.226	0.0183	0.0259	0.0200
	$450 < M_{t\bar{t}} < 550 \text{ GeV}/c^2$	0.275	0.202	0.918	0.00200	0.142	0.0257	-0.103	-0.101
	$550 < M_{t\bar{t}} < 650 \text{ GeV}/c^2$	0.00398	0.168	-0.0628	-0.339	0.720	0.103	0.341	0.456
	$M_{t\bar{t}} > 650 \text{ GeV}/c^2$	-0.0109	0.0759	-0.218	-0.197	0.505	-0.0016	-0.563	-0.579